WEEKLY EPIDEMIOLOGICAL REPORT

A publication of the Epidemiology Unit
Ministry of Health

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WEER SRI LANKA - 2015

Effective Vaccine Management (EVM) Assessment - Sri Lanka -(part II)

Effective Vaccine Management (EVM)

Assessment Findings

Primary Level- National level

1. **Vaccine arrival procedure**

-Vaccine arrival reports are completed correctly, no delays in clearance process, damage to shipped vaccines not reported.

2. **Temperature monitoring**

- All cold rooms are fitted with continuous temperature recorders and data is downloaded and reviewed

3. **Storage and transport capacity**

- Cold room capacity is adequate to stock all vaccines

4. **Buildings, equipment and transport**

- Central store building is in good condition and adequately ventilated

-- All cold rooms are functional, fitted with shelving, continuous temperature monitors and well maintained.

5. **Maintenance**

-There is clear evidence of good quality maintenance.

6. **Stock management**

-Vaccine stocks and movements are recorded manually and updated promptly at the central store.

-Vaccine management practices are good in every aspect and compliant with WHO recommended practices.

-No wastage is recorded and stock levels are well managed.

7. **Distribution**

-d eliveries were made in a timely manner

8. **Vaccine managements**

-The storekeeper is fully aware of all norms and procedures relating to vaccine management

9. **MIS and supportive functions**

-. There is a written agreement for maintenance services which is outsourced to the private sector.

Sub national level– 26 Regional Medical Supplies Division facilities

2. **Temperature monitoring**

- Almost all Regional Medical Supplies Division personnel know correct vaccine storage conditions and temperature monitoring practices

3. **Storage and transport capacity**

-Each Regional Medical Supplies Division has a cold room, cold rooms at all 26 locations have sufficient capacity to store vaccines

-Each Regional Medical Supplies Division also has freezing capacity to store MMR (Measles, Mumps, Rubella) and OPV (Oral Polio Vaccine)
- Almost all Regional Medical Supplies Divisions have sufficient dry store capacity at present .
-All Regional Medical Supplies Division facilities have and use icepack freezers. .

4. **Buildings, equipment and transport**

-Vehicles have easy access to Regional Medical Supplies Division stores and all buildings are in good condition and electrical circuits are satisfactory.

-There are suitable zones for packing cold boxes

5. **Maintenance**

-Maintenance practices are good and standardized

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6. Stock management

-Some Regional Medical Supplies Division facilities have computers which are used for stock management.
- Majority of the operators have received training,
- Almost all sites provide routine reports.

7. Distribution

-Almost all stores delivered all vaccines as per the planned schedule.

8. Vaccine managements

-Most of the Regional Medical Supplies Divisiond are familiar with Shake test procedures,

9. MIS and supportive functions

- Personnel at most of the Regional Medical Supplies Divisions have apparently received training in Standard Operating Procedures.
- Forecasting vaccine needs and the methods are understood at all facilities..
- All Regional Medical Supplies Divisions are reported as having an inventory,

Lowest delivery level - MOH facilities

2. Temperature monitoring

- Majority of persons responsible for monitoring vaccine quality could indicate correct storage temperatures

3. Storage and transport capacity

- The current vaccine storage capacity is adequate
- There are no issues of dry storage capacity or transport capacity,

4. Buildings, equipment and transport

- MOH buildings are in good condition and well maintained.
- All MOH facilities assessed have WHO prequalified refrigerators

5. Maintenance

- Maintenance standards of health facilities and supply chain equipment and vehicles are good.

6. Stock management

- Stock management at MOH facilities assessed is not computerised
- Majority of manually completed vaccine stock records are adequately good .
- MOH personnel are generally knowledgeable about wastage and the computational procedures.

7. Distribution

-Distribution plans are communicated systematically, and in almost 90% of locations assessed distribution was monitored.

8. Vaccine managements

-The correct procedure for the shake test is known by most of health workers assessed.
- Wastage rate data is available and majority of health workers assessed were able to explain the procedures for estimating wastage.

9. MIS and supportive functions

- Standard Operating Procedures in some form are available at majority of facilities
- All facilities assessed adopt standardised methods for forecasting

Service delivery level

2. Temperature monitoring

-Most of the clinic personnel assessed were aware of the correct vaccine storage temperatures and vaccines damaged by freezing.

3. Storage and transport capacity

- Most of the clinics visited are reported to have icepack freezers.
- All 26 locations assessed are reported to use conditioned icepacks.

4. Buildings, equipment and transport

- Most of Clinic facilities are generally in good condition.

5. Maintenance

- Almost all facilities indicate good quality maintenance

6. Stock management

- Stock records show arrivals/dispatches and stock balances.

7. Distribution

- Majority locations are reported to having conditioned icepacks.

8. Vaccine managements

- Appropriate diluents are consistently used with freeze dried vaccines and discarded as per WHO norms.
- Vaccine Vial Monitor notices are displayed in most locations, All vaccine vial monitors observed were In good condition and vaccine fit for use.
- Vaccine management and safe injection practices are generally good.
- Waste disposal is carefully managed.

9. MIS and supportive functions

There are no major issues,

Source-

Sri Lanka EVM Assessment July 2015-Findings and recommendations of the assessment team

Compiled by Dr. T. N. Yapa of the Epidemiology Unit

To be continued….

Table 1: Selected notifiable diseases reported by Medical Officers of Health 17th – 23rd Oct 2015 (43rd Week)

RDHS Division	Dengue Fever		Dysentery		Encephalitis		Enteric Fever		Food Poisoning		Leptospirosis		Typhus Fever		Viral Hepatitis		Human Rabies		Chickenpox		Meningitis		Leishmaniasis		WRCD	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	T*	C**
Colombo	155	7302	1	163	0	11	2	88	1	116	5	263	0	10	1	37	1	4	8	409	1	37	0	0	**7**	**25**
Gampaha	35	3120	1	76	1	11	0	29	0	27	11	338	0	10	1	123	0	0	6	246	0	26	0	2	**60**	**40**
Kalutara	14	1127	1	87	0	6	2	44	10	134	4	316	0	3	0	32	0	3	6	243	2	48	0	0	**62**	**38**
Kandy	21	989	2	119	0	6	0	29	0	44	1	101	3	62	0	130	0	0	7	206	0	22	0	13	**91**	**9**
Matale	1	357	0	36	0	1	0	9	0	5	0	53	0	8	0	29	0	0	0	24	1	28	0	17	**38**	**62**
NuwaraEliya	4	135	4	282	0	3	1	27	0	8	0	37	1	67	1	55	0	0	3	116	0	46	0	1	**85**	**15**
Galle	23	721	1	65	0	3	0	8	3	24	13	215	2	91	1	11	0	0	3	235	0	49	0	2	**70**	**30**
Hambantota	16	273	2	40	0	1	0	8	1	28	6	97	1	51	2	39	0	0	1	101	0	11	6	271	**67**	**33**
Matara	15	346	2	61	0	6	0	4	0	44	12	215	2	40	1	42	0	0	6	211	0	17	4	125	**100**	**0**
Jaffna	22	1335	19	826	0	9	0	165	3	80	0	15	5	556	0	12	0	2	2	185	0	17	0	0	**75**	**25**
Kilinochchi	0	61	0	76	0	0	0	15	0	31	0	1	0	23	0	0	0	1	0	15	0	0	0	0	**25**	**75**
Mannar	0	81	1	16	0	1	0	5	0	3	0	8	0	21	0	0	0	0	0	7	0	1	0	1	**80**	**20**
Vavuniya	0	112	0	16	0	6	0	71	2	22	0	17	0	13	0	2	0	2	1	40	0	17	0	7	**50**	**50**
Mullaitivu	0	117	1	30	0	2	1	14	0	16	0	5	0	9	0	4	0	1	0	5	0	4	0	6	**80**	**20**
Batticaloa	3	1343	2	280	0	7	0	26	0	181	0	13	0	4	0	12	0	1	1	54	0	17	0	0	**29**	**71**
Ampara	0	48	0	41	0	1	0	1	0	16	0	13	0	2	0	9	0	0	5	182	0	5	0	3	**29**	**71**
Trincomalee	0	522	8	106	0	0	0	33	1	36	0	15	4	26	1	43	0	1	3	89	0	9	0	5	**58**	**42**
Kurunegala	5	1027	1	158	0	5	0	7	0	19	3	218	0	29	0	40	0	6	4	356	2	32	2	121	**59**	**41**
Puttalam	4	574	3	65	1	5	1	9	0	9	0	35	0	18	0	2	0	0	0	52	1	28	0	3	**54**	**46**
Anuradhapura	3	328	3	117	0	3	0	3	1	64	2	193	0	20	1	18	0	1	2	162	1	30	4	304	**53**	**47**
Polonnaruwa	5	190	1	41	0	4	0	14	0	12	0	72	0	1	1	10	0	0	0	122	0	23	3	107	**43**	**57**
Badulla	5	448	15	204	0	7	0	9	0	27	0	63	0	127	4	200	0	3	2	183	1	80	0	7	**53**	**47**
Monaragala	4	164	1	104	0	4	0	16	0	5	1	140	2	80	22	409	0	1	2	92	3	30	0	36	**82**	**18**
Ratnapura	9	842	0	257	0	16	0	41	0	8	9	320	2	64	5	248	0	1	8	161	0	49	1	17	**61**	**39**
Kegalle	24	522	0	61	1	12	1	75	0	18	9	284	3	51	0	78	0	0	3	208	3	55	0	0	**82**	**18**
Kalmunei	0	458	0	111	0	1	0	1	0	56	0	7	0	0	0	5	0	0	2	104	0	9	0	0	**54**	**46**
SRILANKA	**368**	**22542**	**69**	**3438**	**3**	**131**	**8**	**751**	**22**	**1033**	**76**	**3054**	**25**	**1385**	**41**	**1590**	**1**	**27**	**75**	**3808**	**15**	**690**	**20**	**1048**	**64**	**36**

Source: Weekly Returns of Communicable Diseases (WRCD).

*T=Timeliness refers to returns received on or before 23rd October , 2015 Total number of reporting units 337 Number of reporting units data provided for the current week: 219 C**-Completeness

A = Cases reported during the current week. **B** = Cumulative cases for the year.

Table 2: Vaccine-Preventable Diseases & AFP

17th – 23rd Oct 2015 (43rd Week)

Disease	No. of Cases by Province									Number of cases during current week in 2015	Number of cases during same week in 2014	Total number of cases to date in 2015	Total number of cases to date in 2014	Difference between the number of cases to date in 2014& 2015
	W	C	S	N	E	NW	NC	U	Sab					
AFP*	01	00	00	00	00	01	00	00	00	02	03	61	70	-13.1%
Diphtheria	00	00	00	00	00	00	00	00	00	00	00	00	00	0%
Mumps	00	00	00	00	01	00	00	00	01	02	12	324	582	-44.2%
Measles	06	03	03	00	01	01	00	00	04	18	18	2382	2850	-16.4%
Rubella	00	00	00	00	00	00	00	00	00	00	00	08	17	-53.1%
CRS**	00	00	00	00	00	00	00	00	00	00	00	00	04	-100%
Tetanus	00	00	00	00	00	00	00	00	00	00	00	14	12	-16.6%
Neonatal Tetanus	00	00	00	00	00	00	00	00	00	00	00	00	00	0%
Japanese Encephalitis	00	00	00	00	00	00	00	00	00	00	00	10	22	-54.5%
Whooping Cough	00	00	01	00	00	00	00	00	00	01	03	88	64	+37.5%
Tuberculosis	128	29	22	02	13	21	02	02	33	253	100	8220	8062	+2.1%

Key to Table 1 & 2

Provinces: **W**: Western, **C**: Central, **S**: Southern, **N**: North, **E**: East, **NC**: North Central, **NW**: North Western, **U**: Uva, **Sab**: Sabaragamuwa.

RDHS Divisions: **CB**: Colombo, **GM**: Gampaha, **KL**: Kalutara, **KD**: Kandy, **ML**: Matale, **NE**: Nuwara Eliya, **GL**: Galle, **HB**: Hambantota, **MT**: Matara, **JF**: Jaffna, **KN**: Killinochchi, **MN**: Mannar, **VA**: Vavuniya, **MU**: Mullaitivu, **BT**: Batticaloa, **AM**: Ampara, **TR**: Trincomalee, **KM**: Kalmunai, **KR**: Kurunegala, **PU**: Puttalam, **AP**: Anuradhapura, **PO**: Polonnaruwa, **BD**: Badulla, **MO**: Moneragala, **RP**: Ratnapura, **KG**: Kegalle.

Data Sources:

Weekly Return of Communicable Diseases: Diphtheria, Measles, Tetanus, Neonatal Tetanus, Whooping Cough, Chickenpox, Meningitis, Mumps., Rubella, CRS,

Special Surveillance: AFP* (Acute Flaccid Paralysis), Japanese Encephalitis

CRS** =Congenital Rubella Syndrome

AFP and all clinically confirmed Vaccine Preventable Diseases except Tuberculosis and Mumps should be investigated by the MOH

Dengue Prevention and Control Health Messages

Look for plants such as bamboo, bohemia, rampe and banana in your surroundings and maintain them

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Comments and contributions for publication in the WER Sri Lanka are welcome. However, the editor reserves the right to accept or reject items for publication. All correspondence should be mailed to The Editor, WER Sri Lanka, Epidemiological Unit, P.O. Box 1567, Colombo or sent by E-mail to **chepid@sltnet.lk. Prior approval should be obtained from the Epidemiology Unit before publishing data in this publication**

ON STATE SERVICE

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